

SOV/81-59-7-22510

The Dependence of the Viscosity of a o-Xylene-Hexane Mixture on the Temperature and the Concentration of the Components

value of the critical temperature of the corresponding mixture, the greater is V of its liquid phase and the lower is V of its saturated vapor.

3. Byk

Card 2/2

KHALILOV, Kh.M.; ZABELINA, Yu.Yu.

Effect of temperature and the concentration of components on the
viscosity of o-xylol-hexane mixtures. Trudy Inst. fiz. i mat. AN
Azerb. SSR. 9:124-127 '58. (MIRA 12:2)

(Viscosity)

(Xylol)

(Hexane)

RADOHENKO, M.G.; ZABELINA, Z.V.; SERGEYEV, V.S.

Bacteriological indices for cold horse¹ oeuvres. Vop.
pit. 21 no.2:86-87 Mr-Apr '62. (MIRA 15:3)

1. Iz Nauchno-issledovatel'skoy i Tsentral'noy sanitarno-
pishchevoy laboratorii Upravleniya obshchestvennogo pitaniya,
Leningrad.

(FOOD--MICROBIOLOGY)

ZABELINSKIY, F.

Control over wage fund disbursements. Den. 1 kred. 18 no. 9:63-66
S '60. (MIRA 13:8)

1. Starshiy kreditnyy inspektor Volynskoy kontory Gosbanka.
(Volyn' Province--Wages)
(Volyn' Province--Banks and banking)

MOTOV, A.V.; ZABELKIN, A.D.

Reorganization of the outside pneumatic tube transportation
between factory buildings. Der.prom. 10 no.6:21-22 Je '61.

(MIRA 14:7)

1. Moskovskiy mebel'no-sborechnyy kombinat No.2.
(Moscow--Furniture industry) (Pneumatic--Tube transportation)

ZABELKIN, A.D.

Pneumatic tube transportation with horizontal dust collectors.

Der.prom. 10 no.11:25-26 N '61.

(MIRA 14:10)

1. Moskovskiy mebel'no-sbornochnyy kombinat No.2.
(Pneumatic tube transportation)

ZABELKOVA, Z., Dr.; JANULA, J., Dr.

Sedatives and hypnotics in therapy of itching and itching dermatoses. Prakt. lek., Praha 35 no.14:315-316 20 July 55.

1. Kosni klinika MU v Brne, prednosta prof. Dr. Tryb.
(PRURITUS, therapy
hypnotics & sedatives)
(HYPNOTICS AND SEDATIVES, ther. use
pruritus)

ZABELKOVA-LECIAKOVA, Z.
(4208)

ZFarmakologickeho Ustavu Lekarske Fakulty Masarykovy University v Brne. Antitoxicky
ucinek drasliku pri otrave srdce digitalisem Antitoxic effect of potassium salts in the
heart poisoned with digitalis Lekarske Listy 1949, 4/3 (65-67)
Illus.4

Cardiotonics (digalen, strophanthin) applied in high dosage to the isolated frog heart, lead to complete cessation of beating. Without some external measure the heart does not recover. The toxic action of cardiotonics can be abolished with potassium salts. Such toxic action of cardiotonics was removed by radium emanation, used either directly in Ringer's solution or indirectly with irradiation of a capillary outside from the heart. Poisoning of heart with cardiotonics thus shows the same features as poisoning with calcium. The experiments confirm the theory that the cardiotonics act solely by virtue of calcium ions.

Kolda-Fragus

So; Excerpta Medica, Vol. II, No 8, Section II, August 1949

KITSAK, N.A., inzh.; ZABELLA, K.A., inzh.

Radial guy bridge in Kiev. Transp. stroi. 14 no.3:14-16
Mr '64. (MIRA 17:6)

AGAFONOV, A.K., kand. ekon. nauk; KONONENKO, V.I.; VASILENKO, G.K.;
KAZAK, V.Ye.; ZABELLA, V.I.; BORYAKIN, V.N., red.

[Price determination in the machinery industry] TSenoobrazovanie
v mashinostroenii. Kiev, Naukova dumka, 1965. 259 p.

(MIRA 18:11)

1. Akademiia nauk URSR, Kiev. Instytut ekonomiky.

KARELIN, D.; ZABELLO, A.V., nauchnyy redaktor; DZHALABEKOVA, L.A.,
redaktor; SUSLEBNIKOVA, N.M., tekhnicheskii redaktor.

[Seas of our country; essays in the physical geography and
exploration of the seas of the U.S.S.R.] Moria nashoi Rodiny;
oчерki po fizicheskoi geografii i istorii issledovaniia morei
SSSR. Leningrad, Gos. izd-vo detskoi lit-ry Ministerstva prosvet-
shcheniia RSFSR, 1954. 342 p. (MLR 7:12)
(Hydrography)

SHEMPEN', V.I.; ZABNILLQ D.A.

[Most important results of scientific research in recent years]
Vashneishie itogi nauchnykh issledovaniy za poslednie gody. Minsk,
Akademiya nauk BSSR, 1955. 38 p. (MLBA 10:3)
(Agricultural research)

ZABELLO, D. A.

USSR/Cultivated Plants. Fodder Plants.

M

Abs Jour : Ref Zhur-Biol., No 15, 1958, 68241

Author : Zabello, D. A.

Inst : AS Byelorussian SSR.

Title : The Influence of Sowing Methods and Sowing
Density on the Yield of Corn Green Mass.

Orig Pub : V sb.; Kukuruz v BSSR. Minsk, AN BSSR, 1957,
294-296

Abstract : A study was made of the effects of the following
sowing methods on corn yields: square nest (70
x 70 cm) with 8 grains in a nest, and 80 x 60
and 50 x 50 cm with 6 grains in a nest; broad
row, with 60 cm between the rows and 50 kg of
seed per hectare, with 50 cm between rows and
60 kg of seed per hectare, and with 40 cm between

Card : 1/2

USSR/Cultivated Plants. Fodder Plants.

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Abs Jour : Ref Zhur-Biol., No 15, 1958, 68241

ween rows and 75 kg of seed per hectare.
Each variant was harvested on three dates.
The crops were sown on land previously planted with perennial grasses, plowed in autumn, and fertilized with a 1 : 1 peat manure mixture (40 tons/hectare) and with $N_{45}P_{60}K_{60}$.
The most intensive growth of green mass and the highest yield of corn were obtained from wide-row sowings with 40 centimeters between rows and 75 kilograms of seed per hectare. In this case, 204.5 centners/hectare of green mass were obtained from the principal mowing if it was done on 5 August, 539.3 centners, if mowing was done on 20 August, and 567 centners, if mowing was done on 5 September. -- T. I. Karolin

Card : 2/2

ZABELLO, D.A.

USSR/Meadow Cultivation.

L.

Abs Jour : Ref Zhur - Biol., No 21, 1958, 95877

Author : Zabello, D.A.

Inst : Belorussian Scientific-Research Institute of Agriculture

Title : Influence on the Productivity of Seeded Pastures of Organic Fertilizers Superficially Applied.

Orig Pub : Byul. nauchno-tekhn. inform. Belorussk. n.-i. in-t sem-ledol., 1957, No 1, 40-42.

Abstract : No abstract.

Card 1/1

ZAHELLO, D. kandidat sel'skokhozyaystvennykh nauk; ROZENBLYUM, B.M.,
kandidat sel'skokhozyaystvennykh nauk.

Means of strengthening the feed supply on collective farms in the
White Russian S.S.R. Zemledelie 5 no.5:24-31 My '57. (MLRA 10:7)
(White Russia--Feeding and feeding stuffs)

^A
ZABELLO, D., kand. sel'skokhozyaystvennykh nauk.

Inexpensive forage. Nauka i pered. op. v sel'khoz. 8 no. 5:26-27
Ky '58. (MIRA 11:5)

1. Belorusskiy nauchno-issledovatel'skiy institut zemledeliya.
(Pastures and meadows)

ZABELLO, D.A.

"The Influence of Grazing on the Productivity and change of
Botanical Composition of Various Grass Mictures."

Belorussian Scientific Research Inst. of Agriculture

report to be presented at the 8th Intl Grassland Congress, Reading, England, 11-21 Jul '60

ZABELLO, K.L.

Soil moisture dynamics and changes in the living soil covering
as related to the age of pine stands. Sbor. nauch. rab. Bel.
otd. VBO no.3:178-184 '61. (MIRA 14:12)
(Soil moisture) (Forest ecology)

Country : USSR
 Category : Forestry. Biology and Typology of the Forest. K
 Abs Jour : RZhBiol., No 6, 1959, No 24700
 Author : Rogovoy, P. P.; Zabello, K. L.
 Inst : Belorussian Forest-Engineering Institute.
 Title : Nitrogen Nutrition of Pine Stands Growing on Light, in Mechanical Composition, Peaty-Podzol Soils.
 Orig Pub : Sb. nauch. rabot Belorussk. lesotekhn. in-t, 1958, vyp. 9, 59-71
 Abstract : Investigations on the clarification of total and hydrolizable N reserve contents in the soil, its mobility and dynamics in the soil horizons according to the seasons of the year, were conducted on eight experimental areas in 4-year-old pine forests of the Negroresl.
 Card : 1/3

Country : USSR
Category : Forestry, Biology and Typology of the Forest. K

Abs Jour : RZhBiol., No 6, 1959, No 24700

Author :

Inst :

Title :

Orig Pub :

Abstract : Scientific-Experimental State Forest Economy.
Data of the mineral N content in soils are submitted. Analytical materials on the experimental areas are presented in 6 tables. It was deduced that peaty-podzol soils, light in mechanical composition, under pine stands are deficient in N and are in need of nitrogen fertilization; in summer, a great diminution

Card : 2/3

Country : USSR
Category : Forestry. Biology and Typology of the Forest. K
Abs Jour : RZhBiol., No 6, 1959, No 24700
Author :
Inst :
Title :
Orig Pub :
Abstract : of total N (absorbed by the plants) is noted, and towards September N is replenished. The mobility of soil N is higher in summer than in the spring and autumn; mineralization of the nitrogen compounds proceeds to the formation of ammonia, and in clearings partial nitrification takes place. In the soils, under investigation, the mineral forms of N are very insignificant.
Card : 3/3

ZABELLO, K. L.

ZABELLO, K. L. -- "The Elements of Soil Nutrition of Plants and Their Effect on the Productivity of Pine Plantations under the Conditions of the Mogoreloye Teaching-Experimental Leskhoz of the Belorussian Forestry Engineering Inst imeni S. M. Kirov." Min Higher Education USSR. Belorussian Forestry Engineering Inst imeni S. M. Kirov. Minsk, 1955. (Dissertation for the Degree of Candidate in Agricultural Sciences)

SO: Knizhnaya Letopis', No 1, 1956

ZABELLO, K.L., kand. sel'skokhozyaystvennykh nauk

Free potassium in soils of the Negoreloye Experimental Forest.

Sbor.nauch.trud.BITI no.10:181-187 '57. (MIRA 11:12)

(Negoreloye--Forests and forestry--Experimental areas)
(Potassium) (Soil chemistry)

ZABELLO, K.L., kand.sel'skokhozyaystvennykh nauk

Free phosphoric acid (P_2O_5) in turf-Podzolic soils of
light mechanical composition of the Negoreloye Forest
Training and Experiment Station of the White Russian
Institute of Wood Technology. Sbor. nauch. trud. BLTI
no.11:166-174 '58. (MIRA 15:12)

(Negoreloye region--Podzol)

(Phosphoric acid)

(Soils--Phosphorus content)

COUNTRY	: USSR	L
CATEGORY	: Meadow Cultivation.	
AB3. JOUR.	: RZhBiol., No.23, 1958, No.105583	
AUTHOR	: Zabello, L. A., Rozenblyum, B. M.	
INST.	: -	
TITLE	: Methods of Enhancing Forage Reserves at the Kolkhozes of Belorussian SSR.	
ORIG. PUB.	: Zemledeliye, 1957, No. 5, 24-31	
ABSTRACT	: Examined are the state of the hay fields and pastures, and production costs of the forage unit of perennial and annual grasses, and of the forage and grain crops in Belorussian SSR. Results of measures for the improvement of meadow-pasture lands and introduction of forage crops, obtained by scientific and research institutions and kolkhozes are cited. Further measures are being planned for the improvement of the forage reserves of Belorussian SSR.	

Card: 1/1

PEYSAKHON, B.E., kandidat tekhnicheskikh nauk; ZABELLO, K.L., redaktor.

[Problems of electric railroad operation] Voprosy eksploatatsii elektricheskikh zheleznykh dorog. Moskva, Gos. transportnoe zhelezno-dorozhnoe izd-vo, 1952. 122 p.

(MLRA 6:8)

(Electric railroads--Management)

ZARELLO, M.L., kandidat tekhnicheskikh nauk; MEZHKOVA, E.V., inzhener; PRYSKIN-
ZON, B.E., kandidat tekhnicheskikh nauk, redaktor; YUDZON, D.M., tekhnicheskiiy redaktor.

Organizing the transport of perishable goods. Trudy TSNII MPS no. 93:
3-115 '54. (MIRA 8:6)
(Railroads--Freight) (Refrigerator cars)

Labels, M.L.
 BAKHSHNEVICH, I.I., kandidat tekhnicheskikh nauk; BOGIM, N.M., kandidat tekhnicheskikh nauk; BYKOV, Ye.I., inzhener; VLASOV, I.I., kandidat tekhnicheskikh nauk; GRITSEVSKIY, M.Ye., inzhener; GRUBER, L.O., inzhener; GURVICH, V.G., inzhener; DAVYDOV, V.N., inzhener; YER-SHOV, I.M., kandidat tekhnicheskikh nauk; ZASORIN, S.N., kandidat tekhnicheskikh nauk; IVANOV, I.I., kandidat tekhnicheskikh nauk; KRAUKLIS, A.A., inzhener; KROTOV, L.B., inzhener; LAPIN, V.B., inzhener; LASTOVSKIY, V.P., dotsent; LATUNIN, N.I., inzhener; MARKVARDT, K.G., professor, doktor tekhnicheskikh nauk; MAKHAYLOV, M.I., professor, doktor tekhnicheskikh nauk; NIKANOROV, V.A., inzhener; OSKOLKOV, K.N., inzhener; OKHOSHIN, L.I., inzhener; PARFENOV, K.A., dotsent, kandidat tekhnicheskikh nauk; PERTSOVSKIY, L.M., inzhener; POPOV, I.P., inzhener; PORSHEV, B.G., inzhener; RATNER, M.P., inzhener; ROSSIYEVSKIY, G.I., dotsent, kandidat tekhnicheskikh nauk; RYKOV, I.I., kandidat tekhnicheskikh nauk; RYSHKOVSKIY, I.Ye., dotsent, kandidat tekhnicheskikh nauk; RYABKOV, A.Ye., professor [deceased]; TAGER, S.A., kandidat tekhnicheskikh nauk; KHAZEN, M.M., professor, doktor tekhnicheskikh nauk; CHERNYSHNEV, M.A., doktor tekhnicheskikh nauk; HUIN, L.Ye., professor, doktor tekhnicheskikh nauk; YURENEV, B.N., dotsent; AKSENOV, I.Ye., dotsent, kandidat tekhnicheskikh nauk; ARKHANGEL'SKIY, A.S., inzhener; BARTENEV, P.V., professor, doktor tekhnicheskikh nauk; BEHRGARD, K.A., kandidat tekhnicheskikh nauk; BORDVOY, N.Ye., dotsent, kandidat tekhnicheskikh nauk; BOGDANOV, I.A., inzhener; BOGDANOV, N.K., kandidat tekhnicheskikh nauk; VIDNICHENKO, N.G., dotsent, kandidat ekonomicheskikh nauk;
 (Continued on next card)

BEZHESHEVICH, I.I. --- (continued) Card 2.

VASIL'YEV, V.F.; GONCHAROV, N.G., inzhener; DERIBAS, A.T., inzhener;
 DOBROSHEL'SKIY, K.M., dotsent, kandidat tekhnicheskikh nauk; DLYGACH,
 B.A., kandidat tekhnicheskikh nauk; YEFIMOV, G.P., kandidat tekni-
 cheskikh nauk; ZEMBLINOV, S.V., professor, doktor tekhnicheskikh
 nauk; ZABELLO, M.L., kandidat tekhnicheskikh nauk; IL'IN, K.P.,
 kandidat tekhnicheskikh nauk; KARKENIKOV, A.D., kandidat tekhnicheskikh nauk; KAPLUN, F.Sh., inzhener; KANSHIN, M.D.; KOCHNEV, P.P.,
 professor, doktor tekhnicheskikh nauk; KOGAN, L.A., kandidat tekni-
 cheskikh nauk; KUGHURIN, S.F., inzhener; LEVASHOV, A.D., inzhener;
 MAKSIMOVICH, B.M., dotsent, kandidat tekhnicheskikh nauk; MARTYNOV,
 M.S., inzhener; MEDAL', O.M., inzhener; NIKITIN, V.D., professor,
 kandidat tekhnicheskikh nauk; PADNYA, V.A., inzhener; PANTILEYEV, P.I.,
 kandidat tekhnicheskikh nauk; PETEROV, A.P., professor, doktor tekni-
 cheskikh nauk; POVOZHENKO, V.V., professor, doktor tekhnicheskikh
 nauk; PISKAREV, I.I., dotsent, kandidat tekhnicheskikh nauk; SERGEYEV,
 Ye.S., kandidat tekhnicheskikh nauk; SIMONOV, K.S., kandidat tekni-
 cheskikh nauk; SIMANOVSKIY, M.A., inzhener; SUYAZOV, I.G., inzhener;
 TALDAYEV, F.Ya., inzhener; TIKHONOV, K.K., kandidat tekhnicheskikh
 nauk; USHAKOV, N.Ya., inzhener; USENSKIY, V.K., inzhener; FEL'DMAN,
 E.D., kandidat tekhnicheskikh nauk; PERAPONTOV, G.V., inzhener;
 KHOKHLOV, L.P., inzhener; CHERNOMORDIK, G.I., professor, doktor
 tekhnicheskikh nauk; SHAMAYEV, M.F., inzhener; SHAFIRKIN, B.I.,
 inzhener; YAKUSHIN, S.I., inzhener; GRANOVSKIY, P.G., redaktor;
 TISHCHENKO, A.I., redaktor; ISAYEV, I.P., dotsent, kandidat tekni-
 cheskikh nauk, redaktor; KLIMOV, V.Z., dotsent kandidat tekhnicheskikh
 (Continued on next card)

BENESHEVICH, I.I.--- (continued) Card 3.

nauk, redaktor; MAHKOV, M.V., inzhener, redaktor; KALININ, V.K.,
inzhener, redaktor; STHPANOV, V.N., professor, redaktor; SIDOROV, N.I.,
inzhener, redaktor; GHRONIMUS, B.Ye., kandidat tekhnicheskikh nauk,
redaktor; ROBNL', R.I., otvetstvennyy redaktor

[Technical reference manual for railroad engineers] Tekhnicheskii
spravochnik zheleznodorozhnika. Moskva, Gos. transp.zhel-dor. izd-vo.
Vol.10. [Electric power supply for railroads] Energosnabzhenie zhelez-
nykh dorog. Otv.red. toma K.G.Markvardt. 1956. 1080 p. Vol.13.

[Operation of railroads] Eksploatatsiya zheleznnykh dorog, Otv. red.
toma R.I.Robel'. 1956. 739 p. (MLRA 10:2)

1. Chlen-korrespondent Akademii nauk SSSR (for Petrov)
(Electric railroads) (Railroads--Management)

ZABELLO, M. I., kandidat tekhnicheskikh nauk; MEZHOVA, R. V., kandidat
tekhnicheskikh nauk.

Increasing the speed of time-freight trains. Vest. TSNII MPS 15 no.
1:48-52 Ag '56. (MLRA 9:12)

(Railroads--Freight)

NIKITIN, Vladimir Dmitriyevich; MEL'NIK, Aleksandr Lukich; ZABELLO, Mariya
L'vovna; DLUGACH, Boris Abramovich; GOL'DENTUL, Boris Aronovich;
PRIGOROVSKIY, V.F., red.; KHITROV, P.A., tekhn.red.

[Marshaling yards of railroads in other countries] Sortirovochnye
stantsii zarubezhnykh zheleznnykh dorog. Moskva, Gos. transp.
zhel-dor. izd-vo, 1957. 174 p. (MIRA 11:5)
(Railroads--Hump yards)

ZABELLO, M.L., kand.tekhn.nauk; BAYESKO, M.F., red.; BOBROVA, T.N., tekhn.red.

[Switching operations on railroads] Manevrovaya rabota na zheleznykh dorogakh. Moskva, Gos. transp. zhel-dor. izd-vo, 1958. 232 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. Trudy, no.160) (MIRA 11:9)
(Railroads--Switching)

LEBEDEVA, T.P.; STRAKOVSKIY, I.I.; TISHKOV, L.B.; LOMAKINA, N.N.;
ZABELLO, M.L.; SADIKOV, P.P.; PETRONENKOV, A.Ye.; BELENOV, V.K.;
ARUTYUNOV, V.A., inzh., retsenzent; PETROVA, V.L., inzh., red.;
BOBROVA, Ye.N., tekhn.red.

[Basic requirements related to the technical equipment of
classification yards] Osnovnye trebovaniia k tekhnicheskomu
osnashcheniiu sortirovochnykh stantsii. Moskva, Transzheldorizdat,
1963. 218 p. (Its TRUDY, no.270). (MIRA 17:3)

CHERNOMORDIK, Grigoriy Il'ich; ZUBOV, I.V., inzh., retsenzent;
FEL'DMAN, E.D., kand. tekhn. nauk, retsenzent; ZABELLO,
M.L., kand. tekhn. nauk, red.; BOEROVA, Ye.N., tekhn. red.

[Increase of train speeds] Povyshenie skorostei dvizheniia
poezdov. Moskva, "Transport," 1964. 200 p.

(MIRA 17:2)

VEBER, I.R.; PEYSAKHZON, B.E., kand. tekhn. nauk, retsenzent;
PERMINOV, A.S., inzh., retsenzent; ZABELLO, M.I., kand.
tekhn. nauk, red.; BOBROVA, Ye.N., tekhn.red.

[Weight and speed of freight trains; potentials for their
increase] Ves i skorost' gruzovykh poezdov; rezervy ikh
povysheniia. Moskva, Transzheldorizdat, 1963. 99 p.
(MIRA 17:2)

MAKAROVICHIN, Andrey Mikhaylovich; SVIRIDOV, Viktor Mikhaylovich;
TIKHONOV, Konstantin Kur'mich; ZABELLO, M.L., kand.tekhn.
nauk, red.; KHITROVA, M.A., tekhn.red.

[Resources for improving the operations of railroad divisions]
Reservy uluchsheniia eksploatatsii nnoi-raboty otdeleniia
dorogi. Moskva, Vses.izdatel'sko-poligr.ob"edinenie M-vn putei
soobshcheniia, 1960. 63 p. (MIRA 13:6)
(Railroads--Management)

ZABHELLO, S., gornyy inzh., referent.

Characteristics of rock shattering by blasting (from foreign journals).
Abstracted by S. Zabhello. Gor. zhur. no.2:38-39 F '58. (MIRA 11:3)
(Blasting)

SORIN, Yakov Mikhaylovich; ZABELLO, S.S., inzh., nauchnyy red.; DEMINA,
G.A., red.; PERSON, M.F., tekhn.red.

[Radio electronics in technology] Radioelektronika v tekhnika.
Moskva, Vses.uchebno-pedagog.izd-vo Trudrezervizdat, 1959.
93 p. (MIRA 12:10)
(Radio) (Electronic apparatus and appliances)

PONOMARENKO, F.M., prof.; SKIRTA, O.M.; ZABELLO, Ye.M., aspirant

Amyloidosis of the liver in ducks. Veterinariia 41 no.9:79-
82 S '64. (MIRA 18:4)

1. Ukrainskaya ordena Trudovogo Krasnogo Znameni sel'skokhozyayst-
vennaya akademiya. 2. Starshiy laborant Ukrainskoy ordena Trudovogo
Krasnogo Znameni sel'skokhozyaystvennoy akademii (for Skirta).

ZABELLO, Z.I.; PEKKER, M.Z.; BEREZKIN, Yu.I., red.; KISLYAKOVA,
M.N., tekhn. red.

[Expediency in the plant kingdom] TSelesoobraznost' v
rastitel'nom mire. Minsk. Izd-vo M-va vysshego, srednego
spetsial'nogo i professional'nogo obrazovaniia BSSR, 1962.
101 p. (MIRA 16:11)

(Botany--Philosophy)

PHASE I BOOK EXPLOITATION

501/4689

Ashkerov, V. P., B. G. Zabelok, Ye. I. Kalugin, and L. P. Shevchenko

Voyska protivovozdushnoy oborony strany (Air Defense Forces of the Country)
Moscow, Voenizdat, 1960. 217 p. No. of copies printed not given. (Series:
Biblioteka ofitsera)

General Ed.: P. K. Demidov; Ed.: P. V. Fesenko; Tech. Ed.: T. P. Myasnikova.

PURPOSE: This book is intended for officers of the Soviet Armed Forces, from
platoon leader to regimental commander, who are not specially trained in air
defense.

COVERAGE: The book deals with active air defense both in the Soviet Union and
in other countries, presenting past development and present state. The role
of air defense in the overall defense organization of a country is described.
Principles governing use of air defense facilities are given. Sections 3 and
4 of Chapter IV are based on non-Soviet press information. G.S. Desnitskiy

Card 1/4

Air Defense Forces of the Country

807/4689

and A. N. Kochurov took part in the writing of the book. There are 17 references, all Soviet (8 translations into Russian).

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1. Fighter aviation	70

Card 2/4

ASHKEROV, V.P., polkovnik; ZABELOK, B.G., polkovnik

Training critique. Vest. protivovozd. obor. no.5:13-14
Ky '61. (MIRA 14:7)

(Military education)

ASHKEROV, V.P.; ZABELOK, B.G.; KALUGIN, Ye.I.; SHEVCHENKO, L.P. Primali
uchastnye: DESNITSKIY, G.S.; KOCHUROV, A.N.. DEMIDOV, P.K., red.;
FESSENKO, P.V., red.; MYASHNIKOVA, T.F., tekhn.red.

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(Air warfare)

POLYAK, A.A.; MARTYSHEVA, G.A.; SOLODOVNIKOV, V.G.; BRAGINA, Ye.A.;
KONDRAT'YEV, V.A.; UL'RIKH, O.D.; ZABLITSKAYA, A.I.;
SAVEL'YEV, N.A.; POKATAYEVA, T.S.; AVARIN, V.Ye., otv.red.;
PANTELEYEV, V.I., red.izd-va; ASTAF'YEVA, G.A., tekhn.red.

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countries of Asia (India, Indonesia and Burma)] Problemy in-
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Indoneziya, Birma). Moskva, Izd-vo Akad.nauk SSSR, 1960.
136 p. (MIRA 14:2)

1. Akademiya nauk SSSR. Institut mirovoy ekonomiki i mezhdunarodnykh otnosheniy. 2. Sektor stran Yugo-Vostochnoy Azii i Dal'nego Vostoka Instituta mirovoy ekonomiki i mezhdunarodnykh otnosheniy Akademii nauk SSSR (for all except Avarin, Panteleyev, Astaf'yeva).
(Asia, Southeastern--Industrialization)

ZABOLOTSKAYA, Ye.V.; GANTMAKHIER, A.R.; MEDVEDEV, S.S.

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catalysts. Vysokom. soed. 2 no.8:1213-1220 Ag '60.
(MIRA 13:9)

1. Fiziko-khimicheskiy institut im. L.Ya.Karpova.
(Styrene) (Catalysts) (Polymerization)

BORTSOV, Aleksandr Yevgen'yevich; ZABELITSKIY, A.I., retsengent;
BARSHAY, M.M., nauchnyy red.; KLIMINA, Ye.V., red. ind.-va;
ERASTOVA, N.V., tekhn. red.; KRYAKOVA, D.M., tekhn. red.

[Lighting equipment of ships] Sudovaya svetotekhnika. Izd. 2.,
dop. i perer. Leningrad, Suupromgiz, 1963. 242 p. (MIRA 16:6)
(Ships' lights) (Electricity on ships)

1ST AND 2ND CROSS		PROCESSING AND PROPERTIES INDEX		3RD AND 4TH CROSS	
<p>Experiments on the spinning of casein fibers of Russian manufacture in carded wool and cotton systems. L. M. Zabelotkii. <i>Larkaya Prom.</i> 16, No. 10, 66-78 (1937); <i>Chem. Zvez.</i> 1938, II, 982-3. Microsections of casein fibers of Russian manuf. were nearly circular, similar to wool fibers. Tests of titer, strength and expansion indicated losses of up to 67% in the moist condition, while the loss for viscose staple fiber is only 45-50% (this is true for the Russian fibers and Lanital). The resistance to creasing corresponds to that of natural silk and is less than that of wool. The quality of mixed casein fiber and wool yarn is inferior to that of wool yarn. The loss of tensile strength of the yarn when wet is 55% and is therefore much more than that of wool yarn. Difficulties are encountered in the dyeing of the mixed fabrics; the temp. must not be above 60°. Casein fiber can be used in the spinning of mixts. with wool according to the carded wool system and in mixts. with cotton according to the English cotton textile system. The quality of the yarn from casein fiber-wool fiber mixts. corresponds in external characteristics to that of wool yarn of the same no. The strength of the mixed yarn, however, is less in both wet and dry conditions. The quality of casein fiber-cotton yarn corresponds externally to that of carded wool and is definitely superior to that of cotton yarn. The titer of the casein fibers should amt. to up to 2.5 denier and the surface should be free from excess gloss. M. G. Moore</p>					
<p>ADN-ELA METALLURGICAL LITERATURE CLASSIFICATION</p>					
<p>100000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600 2700 2800 2900 3000 3100 3200 3300 3400 3500 3600 3700 3800 3900 4000 4100 4200 4300 4400 4500 4600 4700 4800 4900 5000 5100 5200 5300 5400 5500 5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900 8000 8100 8200 8300 8400 8500 8600 8700 8800 8900 9000 9100 9200 9300 9400 9500 9600 9700 9800 9900</p>		<p>100000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600 2700 2800 2900 3000 3100 3200 3300 3400 3500 3600 3700 3800 3900 4000 4100 4200 4300 4400 4500 4600 4700 4800 4900 5000 5100 5200 5300 5400 5500 5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900 8000 8100 8200 8300 8400 8500 8600 8700 8800 8900 9000 9100 9200 9300 9400 9500 9600 9700 9800 9900</p>		<p>100000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600 2700 2800 2900 3000 3100 3200 3300 3400 3500 3600 3700 3800 3900 4000 4100 4200 4300 4400 4500 4600 4700 4800 4900 5000 5100 5200 5300 5400 5500 5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900 8000 8100 8200 8300 8400 8500 8600 8700 8800 8900 9000 9100 9200 9300 9400 9500 9600 9700 9800 9900</p>	

1ST AND 2ND COLUMNS										3RD AND 4TH COLUMNS									
PROCESSED AND PROPERTIES INDEX																			
<p>Use of casein fibers in the manufacture of fine woolsens. L. M. Zabelotskii. <i>Lapaya. Prom.</i> 18, No. 8, 73-0, (1952); <i>Chimie et Industrie</i> 43, 330.—Weaving wool with 30-35% of casein fiber offers no difficulty, but the fabric is weaker than the corresponding pure wool fabric; but a 20-30% casein-wool fabric still meets the necessary specifi- cations. Mixed casein-wool fabrics can be dyed in the same way as pure wool fabrics, and the light fastness is independent of the proportion of casein fiber. A. Proureau-Couture</p>																			
<p>154-11A METALLURGICAL LITERATURE CLASSIFICATION</p>																			
<p>154-11A METALLURGICAL LITERATURE CLASSIFICATION</p>										<p>154-11A METALLURGICAL LITERATURE CLASSIFICATION</p>									
<p>154-11A METALLURGICAL LITERATURE CLASSIFICATION</p>										<p>154-11A METALLURGICAL LITERATURE CLASSIFICATION</p>									

ZABELOTSKIY, L.M., kandidat tekhnicheskikh nauk.

Eliminating defects in twisted silk. Tekst.prom.14 no.1:27-30

Ja '54.

(KLRA 7:2)

(Silk thread)

ZABELOTSKIY, L.M., kandidat tekhnicheskikh nauk

We should utilize yarn properties which correspond to the destination of the finished product. Tekst.prom.15 no.7:34-36 J1'55.
(Yarn) (MLRA 8:10)

KRUPENINA, M.M.; FEL'DMAN, A.Ya.; ZABELOTSEY, L.M.; RUBKOV, P.I., red.;
SHEAL', N.M., red.; DMITRIYVA, N.I., tekhn. red.

[Yarn beam frame without tensioning tent for ribbon looms] Bes-
shatrovaia navoinaia rama k lentotkatukomui stanku. Moskva, Gos.
nauchno-tekhn. izd-vo M-va legkoi promyshl. SSSR, 1956. 34 p.
(MIRA 11:10)

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Byuro tekhnicheskoy informatsii.
(Looms)

ZABELOTSKIY, L., kandidat tekhnicheskikh nauk.

Automatic warp feed on ribbon looms. Leg.prom. 15[1.e. 16] no.6:
52 Jo '56. (IOLRA 9:8)

(United States--Looms)

ZABELOTSKIY, L.

Bobbin battery of new design. (From "Textile Recorder" no. 12,
1955). Leg. prom. 16 no. 7:56 J1 '56. (MLRA 9:10)

(Bobbins (Textile machinery))

ZABELOTSKIY, L.
ZABELOTSKIY, L., referent

Production of ribbons and fabrics without weaving. (from "Textile
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16 no.10:60-61 0 '56. (MIRA 10:12)
(United States--Textile industry)

ZABELOTSKIY, L., kandidat tekhnicheskikh nauk.

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no. 11, '56). Leg. prom. 17 no.1:56 Ja '57. (ILRA 10:2)

(Great Britain--Looms)

ZABELOTSKIY, L.M., kandidat tekhnicheskikh nauk.

Cutting fabric for the production of insulating tape. Log.prom. 17
no.3:48-50 Mr '57. (MLBA 10:4)

(Electric insulation and insulators)

ZABELOTSKIY, Iosif' Markovich; KUZ'MIN, Aleksandr Nikolayevich; FIL'DMAN, Aleksandr Iakovlevich; APTIKIN, V.I., retsenzent; FLEBYANSKIY, M.W., red.; GRACHE, A.W., red.; KOGAN, V.V., tekhn. red.

[Reference manual for the manufacture of spun and woven goods; ribbon and braid weaving] Spravochnik po tekstil'no-galantereinomu proizvodstvu: lentokachestvo i pletenie. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po legkoi promyshl., 1958. 565 p.
(Textile machinery) (Weaving) (Spinning) (MIHA 11:9)

ZABELOTSKIY, L.M., kand.tekhn.nauk

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inform.Gos.nauch.-issl.inst.nauch. i tekhn.inform. 16 no.10:
68-71 '63. (MIRA 16:11)

USENKO, Vladimir Andreyevich, prof., doktor tekhn. nauk; ZABELOTHIKIY,
Lazar' Markovich, kand. tekhn. nauk; KUNTSEVICH, V.A., inzh.,
retsenzent; ZVEZDKINA, Ye.V., inzh., retsenzent; IZAGIDOV,
S.S., kand. tekhn. nauk, retsenzent; SHTEYNGART, M.D., red.;
BATYREVA, G.G., tekhn. red.

[Silk technology] Tekhnologiya shelka. Pod red. V.A.Usenko.
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ning] Shelkopriadenie. 1961. 343 p. (MIRA 15:2)
(Silk) (Spinning)

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Multiple die with a hydroplastic filler. Mashinostroitel'
no.11:20 '65. (MIRA 18:11)

ZABEL'SKIY, A. S.

PA 152T74

USSR/Nuclear Physics - Beta-Decay

Dec 49

Radium

"The Beta-Decay of RaB," A. S. Zabel'skiy, G. Ya. Ushakov, S. Kh. Matulevskiy, 5 pp

"Zhur Eksper 1 Teoret Fiz" Vol XIX, No 12

Investigates disintegration of RaB. Shows the beta-spectrum of RaB is quite complex. Determines upper limits of partial beta-spectra. Studies gamma-ray conversion, which accompanies the decay of RaB. Measures absorption of these gamma-rays, and investigates absorption of the electrons of RaB and RaD. Measurements of the

152T74

USSR/Nuclear Physics - Beta-Decay
(Contd)

Dec 49

beta-spectrum of RaB indicate the presence of a large number of slow electrons, which fact does not find room in the framework of Fermi's theory. This is proved by experiments on the absorption of electrons due to decay. Submitted 18 Jul 49.

152T74

ZABELYSHINSKIY, I.M.

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Nonferrous Metallurgy", Tavet. Met
14, No. 9, September 1939.

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ZABLYSHINSKIY, I.M.

"For a Further Production in Nonferrous
Metallurgy", Tsvet. Met. 14, No. 10-II
October-November 1939.

Report U-1506, 4 Oct. 1951

ZABELYZHINSKIY, I.

Oct 1947

USSR/Trade Unions 5405.
Nonferrous Metallurgy 4205.0904

"Competition Among Skilled Workers and Technical Engineers in Nonferrous Metallurgical Plants," I. I. Zabelyzhinskiy, 3 pp

"Prof Soyuz" No 10

Exchange of suggestions among various plants, visits of specialized personnel from other nonferrous metallurgical plants, and proper training of workers by trade union schools considerably lowers costs and increases efficiency of production. Some plants mentioned in article are: Balkhash copper smelting plant, Alavard copper smelting plant in Armenia, Khar'kov

12070

LC

Oct 1947

USSR/Trade Unions 5405. (Contd)

second nonferrous metals plant, Mosvortmet (second Moscow metallurgical plant), Kalibr, and Ural Alumina Plant.

12070

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ZABELYSHINSKIY, I. M.

PA 18T47

USSR/Ore Deposits
Mineral Deposits

Jun 1947

"Competition of Shaft-sinking Brigades," I. M.
Zabelyshinskiy, 4 pp

"Gornyy Zhurnal" Vol CXXI, No 6

Historical article on efforts of shaft-sinking
brigades at the Severo-Uralsk bauxite mines in the
All-Union competition of shaft-sinking brigades.

18T47

ZARELYSHINSKIY, I.M.

Innovators in the nonferrous metallurgy. Biul TSIIN tsvet. met.
no.19/20:5-12 '57.

(MIRA 11:5)

(Nonferrous metals—Metallurgy)

TYURYAKOV, A.F.; KUKHRANOVA, G.M.; TARUBAROV, I.G.; ZABELYSHINSKIY, I.M.;
DERGUNOVA, A.A.; KLEYNERMAN, D.A.

Results of administrative and economic activity in nonferrous metal
industries in 1957; from annual reports. Biul. TSIIN tsvet. met.
no. 7:30-36 '58.

(Nonferrous metal industries)

(MIRA 11:7)

AZOS, S.; AREF'YEV, A.; ARTAMONOV, I.; BABINA, I.; BEREZOVSKIY, V.; BLOKHKO, V.;
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 GULYAYEVA, Ye.; GUSHCHINA, I.; DAVIDOVSKAYA, Ye.; DAMSKAYA, G.;
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 MALEVSKIY, Yu.; MASLYANITSKIY, I.; MAYANTS, A.; MILLER, L.;
 MITROFANOV, S.; MIKHAYLOV, A.; MYAKINENKOV, I.; NIKITINA, I.;
 NOVIN, R.; OGNEV, D.; OL'KHCY, N.; OSIPOVA, T.; OSTRONOV, M.;
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 SAKHAROV, I.; SOBOL', S.; SPIVAKOV, Ya.; STRIGIN, I.; SPIRIDONOVA, V.;
 TIMKO, Ya.; TITOV, S.; TROITSKIY, A.; TOLOKONNIKOV, K.; TROFIKOVA, A.;
 FIDOROV, V.; CHIZHIKOV, D.; SHINY, Ya.; YUKHTANOV, D.

Roman Lazarevich Veller; an obituary. TSvet. met. 31 no. 5:78-79
 My '58.

(Veller, Roman Lazarevich, 1897-1958) (MIRA 11:6)

ZABELYSHINSKIY, I.M.

Miners-innovators in nonferrous metallurgy. Gor. zhur. no.9:
3-5 8 '61. (MIRA 16:7)

1. Institut informatsii tsvetnoy metallurgii, Moskva.
(Mining engineering)

ZABELYSHINSKIY, I.M.

Innovators in factories and plants of nonferrous metallurgy.

TSvet.met. 34 no.9:1-10 S '61.

(MIRA 14:10)

(Nonferrous metal industries--Technological innovations)

MIROSENKO, A.V.; ZABEN'KOVA, K.I.

Qualitative composition and quantitative content of amino acids of
proteins of alkaloid and alkaloid-free lupine. Dokl. AN BSSR 7
no.3:195-198 Mr '63. (MIRA 16:6)

1. Institut biologii AN BSSR. Predstavleno akademikom AN BSSR T.N.
Godnevym.

(Amino acids) (Lupine)

GONCHAROVA, Ye.M. [Goncharova, E.M.]; ZABEN'KOVA, K.I. [Zaben'kova, K.I.]

Concentration of vitamins B in the culture medium of *Actinomyces*
aurefaciens. Vestsi AN BSSR. Ser. biol. nav. no.3:47-50 '61.
(MIRA 14:10)

(VITAMINS--B)

(ACTINOMYCES)

MIRONENKO, A.V. [Mironenka, A.V.]; ZABEN'KOVA, K.I. [Zaben'kova, K.I.]

Precursors of alkaloids in the lupine. Vestsi AN BSSR Ser.
biol.nauk. no.1:34-37'63. (MIRAL649)
(ALKALOIDS) (LUPINE)

ZABEZHINSKAYA, N.A.

Experimental data concerning the normalization of the
isopropylbenzene hydroxide content of air in industrial
buildings. Uch.zap. Mosk. nauch.-issl. inst. san. i gig.
no.9:17-19 '61 (MIRA 16:11)

Studying the toxicity of some resins. Ibid.:112-116

*

BATUSOV, S., inzh.; ZABEREZHNYI, D., inzh.

Efficient lighting systems for floating beacons. Resh. transp.
2o no. 2:32-34 P '61. (MIRA 14:2)

(Beacons)

S/196/61/000/009/014/052
E194/E155

AUTHORS: Batusov, S.V., and Zaberezhnyy, D.T.

TITLE: The design of an optical reflecting system for all-round signal lamps

PERIODICAL: Referativnyy zhurnal, Elektrotehnika i energetika, no.9, 1961, 15, abstract 9V 109. (Svetotekhnika, no.2, 1961, 18-22)

TEXT: On floating buoys in rivers it is more rational to use signal lamps consisting of a reflecting system with a high-voltage discharge tube rather than the incandescent lamps with cylindrical lens and light filter which are used at present. The calculations are given for a parabolic-circular reflector with a circular focal line which coincides with the annular tube. The optical system, which is of circular symmetry, concentrates the light flux of the lamp only in a vertical plane. The light distribution curve of the optical system gives identical light output in all directions in the horizontal plane and in the vertical only in the range $15^\circ - 20^\circ$, which fully meets the

Card 1/2

The design of an optical

S/196/61/000/009/014/052
E194/E155

requirements for such light signals. In the case of an optical system with a neon tube 10 mm diameter with a standard brightness of 500 candles/m² bent into a ring of 150 mm diameter in the focal plane of a parabolic reflector 200 mm high, the light output is three times greater and the amplification factor twice that of the normal optical system with a maximum coverage angle of 200° and more. ✓

[Abstractor's note: Complete translation.]

Card 2/2

MASLOVSKIY, M.F.; VINOGRADOVA, M.A.; ZABERUSZHENY, I.I.; NIKITINA, I.S.;
PARETSKIY, V.M.

Fluidized bed drying of dust pulp at the Chimgent Lead Plant.
Sbor. nauch. trud. Gintsvetmeta no.19:367-373 '62.
(MIRA 16:7)

(Chimgent—Lead industry)
(Fluidisation)

ZABEREZHNYI, I.I.; ORIONOV, A.A.; PYZHOV, V.S.

Drying granulated copper charge mixture in a fluidized bed.
Shor. nauch. trud. Gintsvetmeta no.19:475-483 '62.
(MIRA 16:7)

(Copper--Metallurgy)
(Fluidisation)

YEVDOKIMENKO, A.I.; ZABEREZHNYI, I.I.; RAFALOVICH, I.M.; REZNIK, I.D.;
Prinimali uchastiye: SHERMAN, S.P.; KUDRIN, A.E.; GALITSKIY, L.M.;
SERPOV, V.I.; VOROB'YEV, V.A.; STEPANOV, A.S.; RODIONOVA, E.M.;
BUNTOVNIKOV, A.S.; YEVDOKIMOVA, L.Ye.

Air blast preheating for shaft furnaces. Tsvet. met. 33 no.10:12--
20 0 '60. (MIRA 13:10)

1. Gosudarstvennyy institut po tsvetnym metallam (for Yevdokimenko, Zaberezhnyy, Rafalovich, Reznik, Rodionova, Buntovnikov, Yevdokinova).
2. Yuzhno-Ural'skiy nikelovyy zavod (for Sherman, Kudrin, Galitskiy, Serpov, Vorob'yev, Stepanov).

(Air preheaters)

(Metallurgical furnaces--Equipment and supplies)

ZABEREZHNYI, I.I.

Air preheating in recuperators operating on waste gases from
smelting furnaces in nonferrous metallurgy. Sbor. nauch. trud.
GINTSVETMET no.15:382-402 '59. (MIRA 14:4)

(Air preheaters)

(Nonferrous metals--Metallurgy)

(Heat regenerators)

SOV/136-59-7-6/20

AUTHORS: Reznik, I.D., Yevdokimenko, A.I., ~~Zaberezhnyy, I.I.~~,
Sherman, B.P., Kudrin, A.N., Serpov, V.I., Petrov, L.K.

TITLE: Shaft Smelting of Sintered Oxidized Nickel Ores With
Hot Blast

PERIODICAL: Tsvetnyye metally, 1959, Nr 7, pp 30-36 (USSR)

ABSTRACT: The use of hot blast in shaft smelting in non-ferrous metallurgy is comparatively recent. The authors describe production experiments made by the kombinat (combine) Yuzhuralnikel' together with Gintsvetmet and Gipronikel'.

Aside from the authors the following participated in the work. From Yuzhuralnikel': S. Ye. Lyumkis, M.M. Zolkina, A.G. Ushakov, V.T. Gritskova, U.D. Shaymukhambetov, N.V. Sukhin, I.S. Firyago, V.I. Mannanikov; from Gintsvetmet: A.S. Buntovnikov, M.S. Kruglyakova, Yu. N. Skvortsov, L.I. Yevdokimova; from Gipronikel': N.P. Malyk, Ye. M. Simonov, N.N. Sin'ko, A.N. Derevnin. The furnace used had a cross section in the tuyere zone of 7.2 m² and a width of 2m; stack height was 8 m and the slit tuyeres dipped at 15°.

Card 1/3

SOV/136-59-7-6/20

Shaft Smelting of Sintered Oxidized Nickel Ores With Hot Blast

Blast heating was provided by a specially designed oil-fired heater. Suitable instrumentation was provided. The experiments were conducted as during a previous investigation (Ref 4) on the same furnace; a parallel investigation of stack processes was carried out (Ref 5). Blast temperatures of 190, 300 and 400°C were used, the furnace working smoothly (Fig 1 shows the blast-pressure chart) and without difficulties. Compared with cold-blast operation on the same furnace a coke saving of 28.9% was obtained by blast heating to 300°C; allowing for the oil used in the blast heater the economy was 15.2% by weight, 11.5% if the difference in calorific value of oil and coke is taken into account. Fig 2 shows that top gas composition is best at 300°C. This temperature is also close to the optimum for fuel economy (Fig 3) and smelting and coke burning rates (Fig 4). The authors conclude that the tests have shown that blast heating should be introduced into practice. They recommend that oil- or gas-fired blast heaters should be designed, and that the development of methods for blast heating using the heat

Card 2/3

SOV/136-59-7-6/20
Shaft Smelting of Sintered Oxidized Nickel Ores With Hot Blast

contents of slags and top gases should be accelerated.
There are 4 figures, 2 tables and 5 references, 4 of
which are Soviet and 1 French.

ASSOCIATION: Gintsvetmet (I. D. Reznik, A. I. Yevdokimenko, I. I. Zaherezhnyy);
Kombinat (Combine) Yuzhuralnikel' (B. P. Sherman, A. N. Kudrin,
V. I. Serpov); Gipronikel' (L. K. Petrov)

Card 3/3

ZABEREZHNYI, I. I.

PHASE I

TREASURE ISLAND BIBLIOGRAPHICAL REPORT

AID 519 - I

BOOK

Call No.: T617.R23

Authors: BUROVOY, I. A., BYKHOVSKIY, Yu. A., ZABEREZHNYI, I. I. and RAFALOVICH, I. M.

Full Title: EXPERIENCE WITH AUTOMATIC CONTROL OF TEMPERATURE IN REVERBERATORY COPPER-SMELTING FURNACES

Transliterated Title: Opyt avtomatizatsii teplovogo rezhima otrazhatel'nykh medepлавil'nykh pechey

PUBLISHING DATA

Originating Agency: None

Publishing House: State Scientific and Technical Publishing House of Literature on Ferrous and Nonferrous Metallurgy (Metallurgizdat)

Date: 1953

No. pp.: 328

No. of copies: 3,000

Editorial Staff

Scientific Editor: Rafalovich, I. M., Prof. Dr. of Tech. Sci.

Editor: Charikhov, L. A., Eng., Appraiser: Lisovskiy, D. I., Prof. Dr. of Tech. Sci.

PURPOSE: The book is intended for engineers and technicians dealing with controlling and measuring instruments and with automation, as well as for technologists in copper-smelting plants, scientific workers in design and research institutes, and students of metallurgical and technical schools.

TEXT DATA

Coverage: This book describes the methods of furnace investigation and preparation for automatic temperature control under various industrial conditions. It gives data on special features of the installation of automatic devices in copper-smelting

Opyt avtomatizatsii teplovogo rezhima otrazhatel'nykh
medepiavil'nykh pechey

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shops, on the results of the analysis of individual elements of control, and on the adjusting of automatic furnaces to the most favorable temperature. It contains information on the efficiency of the automation of reverberatory and refining copper-smelting furnaces. According to the authors, experiments in the automation of copper-smelting furnaces started in the USSR in 1949, and were completed in early 1952. Three reverberatory and two refining furnaces of the four leading Soviet copper smelteries (see "Facilities") were the first to be controlled automatically. The book is provided with schematic drawings of furnaces and various devices, and tables and diagrams. The appendix contains instructions on automatic control of furnaces for smelters and foremen.

No. of References: 18 Russian, 1939-1952

Facilities: Engineers, technicians and workers of Kirovgrad, Krasnoural'sk, Balkhash and Pyshma Copper Smelteries; staff of the Moscow and Sverdlovsk Branches of the Instrument Design, Installation and Adjustment Organization (Proyektmontazhpribor); I. A. Strigin, Director of the State Scientific Research Institute of Nonferrous Metals (Gintsvetmet), D. M. Yukhtanov, assistant chief, and Gintsvetmet scientific workers.

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<p>Synthesis of 1-methyl-1-ethylcyclopentane. A. F. Plate and P. I. Zabezhenskaya. <i>Izv. Akad. Nauk S.S.S.R., Khim. Nauk</i> 1946, 651-4. EtMgI (from 0.1 g. Mg) in 140 ml. Bu₂O treated over 1.3 hrs. with 28 g. 1-chloro-1-ethylcyclopentane, bp 53°, d₄²⁰ 0.8340, n_D²⁰ 1.4514, in 180 ml. Bu₂O, heated 2 hrs. to 47-55°, and let stand overnight gave 31.8% 1-methyl-1-ethylcyclopentane, bp 117.5-20°, n_D²⁰ 1.4279. The reaction failed in Et₂O-C₆H₆ soln. Repetition of the 1st expt. using 1-chloro-1-methylcyclopentane, bp 35°, d₄²⁰ 0.8630, n_D²⁰ 1.4450, and EtMgBr gave after 5 hrs. at 55-60° 10% of the desired product. After washing with H₂SO₄ and distn. over Na it bp 130-30.5°, d₄²⁰ 0.7918, n_D²⁰ 1.4272; aniline point 44.3°.</p> <p>G. M. Kuzolapoff</p>			
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